

ABSTRACT OF THE DISCLOSURE

A separator for flat-type polymer electrolyte fuel cells comprises a fuel-feed-side separator and an oxygen-feed-side separator, each comprising a collector portion in which n unit conductive substrates (n is an integer of 2 or more), each having a plurality of through-holes, are arrayed in flat configuration via gaps, and a pair of insulating frames which have n openings in alignment with an array position of the unit conductive substrates and are integrated in such a way as to hold the collector portion between them. The back-to-back (n-1) unit conductive substrates of the n unit conductive substrates in one of both separators, as counted from the end of its array direction, and the 2nd to nth unit conductive substrates of the n unit conductive substrates in another separator, as counted from the end of its array direction are successively joined together by means of (n-1) connecting hinges.